

| L Number | Hits | Search Text   | DB  | Time stamp       |
|----------|------|---|---|------------------|
| -        | 1646 | (438/614).CCLS.   | USPAT;<br>EPO; JPO;<br>DERWENT                          | 2002/09/09 09:00 |
| -        | 403  | (438/618).CCLS.   | USPAT;<br>EPO; JPO;<br>DERWENT                          | 2001/10/18 15:27 |
| -        | 196  | (438/619).CCLS.   | USPAT;<br>EPO; JPO;<br>DERWENT                          | 2001/10/18 15:27 |
| -        | 66   | (438/422).CCLS.   | USPAT;<br>EPO; JPO;<br>DERWENT                          | 2002/04/25 13:17 |
| -        | 94   | (438/617).CCLS.   | USPAT;<br>EPO; JPO;<br>DERWENT                          | 2001/10/19 07:41 |
| -        | 1718 | (438/106).CCLS.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/09/06 15:16 |
| -        | 420  | (438/108).CCLS.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/04/24 15:46 |
| -        | 244  | (438/111).CCLS.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/04/24 15:46 |
| -        | 652  | (438/123).CCLS.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/04/24 15:47 |
| -        | 203  | (438/611).CCLS.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/04/24 15:47 |
| -        | 139  | (438/617).CCLS.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/04/24 15:47 |
| -        | 3049 | 438/106,108,111,123,611,617.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/04/25 13:08 |
| -        | 3059 | 438/106,108,111,123,611,617.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/04/25 13:08 |
| -        | 0    | 438/106,108,111,123,611,617.ccls. and<br>(plated adj through-hole)            | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/04/25 13:10 |
| -        | 0    | 438/106,108,111,123,611,617.ccls. and<br>(plat\$ adj through-hole)            | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/09/06 14:47 |
| -        | 428  | 438/106,108,111,123,611,617.ccls. and<br>(through-hole or (through adj hole)) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/31 09:13 |

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| - | 12   | 438/106,108,111,123,611,617.ccls. and<br>(plated adj through-hole)                       | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/04/25 13:10 |
| - | 2    | ((("6228683") or ("5063175")).PN.  | USPAT   | 2003/01/31 10:09 |
| - | 1881 | (438/106).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/09/06 15:16 |
| - | 261  | (438/111).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/09/06 15:16 |
| - | 282  | (438/112).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/09/06 15:16 |
| - | 336  | (438/626).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/09/06 15:16 |
| - | 731  | (438/123).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/09/06 15:17 |
| - | 217  | (438/611).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/09/06 15:17 |
| - | 178  | (438/617).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/09/06 15:17 |
| - | 1734 | (438/614).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/09/06 15:17 |
| - | 625  | (438/618).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/09/06 15:17 |
| - | 239  | (438/619).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/09/06 15:17 |
| - | 867  | 438/106,108,111,112,123,611,613,614,617,618,<br>and (through-hole or (through adj hole)) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/31 09:15 |
| - | 7136 | 438/106,108,111,112,123,611,613,614,617,618,<br>and (through-hole or (through adj hole)) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/31 09:16 |
| - | 2572 | 438/106,108,111,112,123,611,613,614,617,618,<br>and interconnect\$4                      | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/31 09:18 |

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| - | 4763 | 438/106,108,111,112,123,611,613,614,617,618,<br>and (hole or aperature or via or cavity or<br>trench or open\$3)   | US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/31 09:18 |
| - | 2296 | (438/106,108,111,112,123,611,613,614,617,618<br>and interconnect\$4) and (hole or aperature<br>or via or cavity or trench or open\$3)                        | US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/31 09:18 |
| - | 2296 | (438/106,108,111,112,123,611,613,614,617,618<br>and (hole or aperature or via or cavity or<br>trench or open\$3)) and interconnect\$4                        | US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/31 09:36 |
| - | 1654 | ((438/106,108,111,112,123,611,613,614,617,618<br>and (hole or aperature or via or cavity or<br>trench or open\$3)) and interconnect\$4) and<br>@ad<=20000721 | US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/31 09:38 |